

Title (en)

ELECTROPNEUMATIC PARKING BRAKE OF A VEHICLE WITH FURTHER CONTROL SYSTEM

Title (de)

ELEKTRO-PNEUMATISCHE PARKBREMSEINRICHTUNG EINES FAHRZEUGS MIT WEITEREM STEUERKREIS

Title (fr)

FREIN DE STATIONNEMENT ÉLECTROPNEUMATIQUE D'UN VEHICULE AVEC AUTRE SYSTÈME DE CONTRÔLE

Publication

EP 3356192 B1 20190710 (DE)

Application

EP 16763011 A 20160906

Priority

- DE 102015116317 A 20150928
- EP 2016070909 W 20160906

Abstract (en)

[origin: WO2017055015A1] The invention relates to an electro-pneumatic parking brake device (200) of a motor vehicle (170) comprising an electronic control unit (14), a compressed air supply (110, 158), an electro-pneumatic parking brake control unit (1) which can assume at least the state "drive" and the state "park", and a valve device (132) which has at least one electromagnetic valve controlled by the electronic control unit (14), a second supply connection (134) connected to the at least one compressed air supply (158), a second vent (136), and a second operating output (138). The electro-pneumatic parking brake control unit (1) is designed to be bistable and has at least the state "drive" and the state "park" as stable states. A sensor device (166) is provided which detects the movement state of the vehicle (170) and the current stable state of the electro-pneumatic parking brake control unit (1), and triggers a movement signal, representing the current movement state of the vehicle (170), and a state signal, representing the current stable state of the electro-pneumatic parking brake control unit (1), in the electronic control unit (14).

IPC 8 full level

B60T 13/68 (2006.01)

CPC (source: EP)

B60T 13/683 (2013.01); **B60T 13/365** (2013.01); **B60T 13/385** (2013.01)

Cited by

DE102019118896A1; US11267447B2; US11407394B2; DE102020128746A1; WO2022090437A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102015116317 A1 20170330; **DE 102015116317 B4 20211021**; BR 112018006058 A2 20181009; BR 112018006058 B1 20221129; CN 108290563 A 20180717; CN 108290563 B 20201016; EP 3356192 A1 20180808; EP 3356192 B1 20190710; WO 2017055015 A1 20170406

DOCDB simple family (application)

DE 102015116317 A 20150928; BR 112018006058 A 20160906; CN 201680069444 A 20160906; EP 16763011 A 20160906; EP 2016070909 W 20160906